

Woodward 2001-0246

IN THE CLAIMS:

1. (Currently Amended) An add multiplexer comprising:
 - an input port;
 - an optical circulator comprising a first port, a second port, and a third port, said first port of said optical circulator coupled to said input port;
 - an optical monitor mechanism coupled to said third port of said optical circulator;
 - a wavelength add mechanism ~~coupled~~ connected to said second port of said optical circulator and adapted to receive optical signals from said second port and to provide no optical signals to said second port;
 - a tunable source coupled to said wavelength add mechanism, wherein said optical monitor mechanism is coupled to said third port of said optical circulator and to said tunable source thereby providing a feedback path; and
 - an output port coupled to said wavelength add mechanism.
2. (Original) An add multiplexer of claim 1 wherein said optical monitor measures the optical power at port 3 of said optical circulator.
3. (Original) An add multiplexer of claim 1 wherein said optical monitor measures the wavelength of the light at port 3 of said optical circulator.
4. (Original) An add multiplexer of claim 1 wherein said optical monitor measures both the optical power versus wavelength.
5. (Original) The add multiplexer of claim 1 wherein said optical monitor mechanism is coupled to said third port of said optical circulator and to said wavelength add mechanism thereby providing a feedback path.
6. (Canceled) .
7. (Original) The add multiplexer of claim 1 this wherein a drop mechanism is coupled in between said input port and said first port of said optical circulator.

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8 - 24. (Canceled).